equal parts, one of which I took every fifteen minutes, conceiving this a sufficient length of time to allow for the action of each dose in my stomach. The first dose taken produced no manifest effect. At the expiration of fifteen minutes I took a second dose;—a degree of uneasiness was experienced, attended with some nausea;—at the end of fifteen minutes more I swallowed a third dose,—nausea increased, until the convulsive action of my stomach took place. The fourth dose was now taken; considerable efforts were made to vomit, and finally the contents of my stomach were thrown up, together with a profuse quantity of bile. The determination of blood to my head, the frequency of my pulse, and heat of my system were much augmented. I now drank half a pint of warm water; the action of my stomach subsided, and the nausea gradually wore off. A portion of the medicine, I was induced to believe, had insinuated itself into the intestines, as two copious evacuations were produced within the space of three hours. During the day I felt much debilitated, but imputed this to the general effect of emetics.

"I was thus satisfied with respect to its efficacy as an emetic upon an empty stomach. But, being still desirous of becoming better acquainted with

its particular operation after eating an usual meal, I made a second experiment, one month after the first. In the morning, one hour after I had eaten a hearty breakfast, I took twenty grains of the medicine, in divided doses, as in the former experiment. At the expiration of a very few minutes nausea commenced, which continuing to increase, with very few efforts I discharged the contents of my stomach. The effects of the second trial answered exactly my expectations."

Some authors have attributed a tonic power to the Gillenia, when administered in small doses. That it possesses such a power is rendered probble by its bitter taste, and by the fact, that small doses of ipecacuanha exert a beneficial stimulus on the stomach in certain cases of debility in that organ.

JACOB BIGELOW *American Medical Botany* BOSTON, 1817-1820 CARY GRAPHIC ARTS COLLECTION, ROCHESTER INSTITUTE OF TECHNOLOGY Octavo